

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: September 15, 2004

ATTY DOCKET NO.
2002_0288ASERIAL NO.
10/069,999APPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002GROUP
1651

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/JE/	AA	5,591,773	01/97	Grunberger et al.			
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/JE/	AG	99/26943	06/99	WO			
/JE/	AH	0220947	05/87	EP			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/JE/	AI	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BRBOT-SARANOVIC, ANA ET AL: "Reactions of ethyl 2-hydroxy-4-(4-hydroxy-6-methyl-2-pyron-3-yl)-4-oxo-2-butenate with N-nucleophiles. Synthesis of isomeric pyronylpyrazoles and pyrano [4,3-c] pyrazoles" XP002285137
/JE/	AJ	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ANDERSON, MICHAEL W. ET AL: "Dihydroimidazoles in synthesis: C-acylation of lithiodihydroimidazoles" XP002285138
/JE/	AK	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; PERESLENI, E. M. ET AL: "Structure, tautomerism, and reactions of .beta. -(3-nitropyrid-2-yl) and .beta. -(3-nitropyrid-4-yl) pyruvic acid esters" XP002285139
/JE/	AL	DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002285141
/JE/	AM	DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002285142
/JE/	AN	DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002285143

EXAMINER

/Jon Epperson/

DATE CONSIDERED

03/24/2007

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: March 26, 2002

ATTY DOCKET NO.
2002-0288ASERIAL NO.
10/069,999APPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
IJE/	AA	5,480,887	1/1996				
IJE/	AB	5,780,640	7/1998				
IJE/	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
IJE/	AJ	2113687	8/1983	GB			
IJE/	AK						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

IJE/	AO	K Hirai et al. "Synthesis of 2-Disubstituted-amino-4-arylthiazol-5-yl-alikanoic Acids", Chem. Pharm. Bull., Vol. 25, No. 9, pp. 2292-2299, 1977.
IJE/	AP	F. R. Heitzler, "Preparation of non-symmetrical 2,3-bis (2,2'-oligopyridyl)pyrazines via 1,2-disubstituted ethanones" Synlett, No. 8, pp. 1203-1206, August 1999.
IJE/	AQ	X. Chen et al., "A new procedure to enols of 2-acylmethyl-4,4-dimethyl-2-oxazolines under ultrasonically dispersed potassium system", Chin. J. Chem., Vol. 17, No. 1, pp. 80-83, January 1999.
IJE/	AO	S. K. Bertilsson et al., "Chiral N,N'- and N,O-Bidentate Anionic Ligands. "Preparation, Metal Complexation, and Evaluation in the Asymmetric Aziridination of Olefins Organometallics", Vol. 18, No. 7, pp. 1281-1286, March 1999.
IJE/	AP	Chemical Abstracts, Vol. 117, 1992, Abstract No. 171384, Registry No. 143814-20-4.
IJE/	AQ	Chemical Abstracts; Vol. 114, 1991, Abstract No. 122162, Registry No. 129884-23-7 129884-21-5.
IJE/	AP	Chemical Abstracts, Vol. 108, 1988, Abstract No. 150582, Registry No. 111559-36-5 111559-35-4.
IJE/	AQ	Chemical Abstracts, Vol. 105, 1986, Abstract No. 6436, Registry No. 102720-85-4.

EXAMINER

/Jon Epperson/

DATE CONSIDERED

03/24/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: March 26, 2002

ATTY DOCKET NO.
2002-0288ASERIAL NO.
10/069,999APPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	BH							
	BI							
	BJ							
	BK							
	BL							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/JE/ ✓	BM	Chemical Abstracts, Vol. 103, 1985, Abstract No. 21944, Registry No. 95589-69-8.
/JE/ ✓	BN	Chemical Abstracts, Vol. 101, 1984, Abstract No. 211021, Registry No. 93074-95-4.
/JE/ ✓	BO	Chemical Abstracts, Vol. 100, 1984, Abstract No. 85565, Registry No. 88474-13-9.
/JE/ ✓	BP	Chemical Abstracts, Vol. 90, 1979, Abstract No. 72026, Registry No. 69097-74-1 69097-73-0 69097-72-9.

EXAMINER

/Jon Epperson/

DATE CONSIDERED

03/24/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: March 26, 2002

ATTY DOCKET NO.
2002-0288ASERIAL NO.
10/069,999APPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
	CC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	CD						
	CE						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/JE/	CF	Gordon N. Walker et al., "Synthesis of Benzo[f]quinolines and Ergolines from 5-Phenyl-6-methyl-2-pyridones", J. Org. Chem., Vol. 26, pp. 4441-4456, November 1961.
/JE/	CG	Rodolfo Nesi et al., "Thermal Rearrangement of Ethyl 5-Nitro-4-phenyl-2-oxa-3-azabicyclo[3.1.0]hex-3-ene-1-carboxylate into a Quinoxaline System", J. Chem. Soc. Chem. Commun., Vol. 23, pp. 1675-1676, July 1990.
/JE/ ✓	CH	Ana Brbot-Saranovic et al., "Reactions of Ethyl 2-Hydroxy-4-(4-Hydroxy-6-Methyl-2-Pyrone-3-YL)-4-Oxo-2-Butenoate With N-Nucleophiles. Synthesis of Isomeric Pironylpyrazoles and Pyrano[4,3-c]Pyrazoles", Heterocycles, Vol. 29, No. 8, pp. 1559-1571, April 1989.
/JE/ ✓	CI	Rok Zupet et al., "A Convenient Synthesis of Alkyl Heteroarylpyruvates" Synthetic Communications, 22(15), pp. 2245-2251, April 1992
/JE/ ✓	CJ	Johannes Meiwes et al., "Asymmetric synthesis of L-thienylalanines", Tetrahedron Asymmetry, Vol. 8, No. 4, pp. 527-536, January 1997.
/JE/ ✓	CK	V. Boekelheide et al., "Synthesis of Pyrrocolines Unsubstituted in the Five-membered Ring", J. Am. Chem. Soc., Vol. 81, pp. 1456-1459, March 1959.
/JE/ ✓	CL	Roger Adams et al., "Condensation Reactions of Picoline 1-Oxides", J. Am. Chem. Soc., Vol. 76, pp. 3168-3171, June 1954.
/JE/ ✓	CM	Helvetica Chimica Acta, "Vol. 38, No. 176, pp. 1452-1472, 1955.

EXAMINER

/Jon Epperson/

DATE CONSIDERED

03/24/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: March 1, 2002

ATTY DOCKET NO.
2002_0288ASERIAL NO.
NEWAPPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/JE/	AA	5,480,887	1/1996				
/JE/	AB	5,780,640	7/1998				
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/JE/	AJ	2113687	8/1983	GB			
	AK						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/JE/	AO	K Hirai et al. "Synthesis of 2-Disubstituted-amino-4-arylthiazol-5-yl-alikanoic Acids", Chem. Pharm. Bull., Vol. 25, No. 9, pp. 2292-2299, 1977.					
/JE/	AP	F. R. Heitzler, "Preparation of non-symmetrical 2,3-bis (2,2'-oligopyridyl)pyrazines via 1,2-disubstituted ethanones" Synlett, No. 8, pp. 1203-1206, August 1999.					
/JE/	AQ	X. Chen et al., "A new procedure to enols of 2-acylmethyl-4,4-dimethyl-2-oxazolines under ultrasonically dispersed potassium system", Chin. J. Chem., Vol. 17, No. 1, pp. 80-83, January 1999.					
/JE/	AO	S. K. Bertilsson et al., "Chiral N,N'- and N,O-Bidentate Anionic Ligands. "Preparation, Metal Complexation, and Evaluation in the Asymmetric Aziridination of Olefins Organometallics", Vol. 18, No. 7, pp. 1281-1286, March 1999.					
/JE/	AP	Chemical Abstracts, Vol. 117, 1992, Abstract No. 171384, Registry No. 143814-20-4.					
/JE/	AQ	Chemical Abstracts, Vol. 114, 1991, Abstract No. 122162, Registry No. 129884-23-7 129884-21-5.					
/JE/	AP	Chemical Abstracts, Vol. 108, 1988, Abstract No. 150582, Registry No. 111559-36-5 111559-35-4.					
/JE/	AQ	Chemical Abstracts, Vol. 105, 1986, Abstract No. 6436, Registry No. 102720-85-4.					

EXAMINER

/Jon Epperson/

DATE CONSIDERED

03/24/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: March 1, 2002

ATTY DOCKET NO.
2002_0288ASERIAL NO.
NEWAPPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	BH							
	BI							
	BJ							
	BK							
	BL							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/JE/	BM	Chemical Abstracts, Vol. 103, 1985, Abstract No. 21944, Registry No. 95589-69-8.
/JE/	BN	Chemical Abstracts, Vol. 101, 1984, Abstract No. 211021, Registry No. 93074-95-4.
/JE/	BO	Chemical Abstracts, Vol. 100, 1984, Abstract No. 85565, Registry No. 88474-13-9.
/JE/	BP	Chemical Abstracts, Vol. 90, 1979, Abstract No. 72026, Registry No. 69097-74-1 69097-73-0 69097-72-9.

EXAMINER

/Jon Epperson/

DATE CONSIDERED

03/24/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.